

**PERMIT FORMS
PURSUANT TO
REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION**



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AIR PERMITS
FORM 7A APPLICATION
for ASPHALT PLANTS Only**

NEW SOURCE REVIEW PERMITS
and STATE OPERATING PERMITS



VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY - AIR PERMITS

LOCAL GOVERNING BODY CERTIFICATION FORM

Facility Name:	Registration Number:
Applicant's Name:	Name of Contact Person at the site:
Applicant's Mailing address:	Contact Person Telephone Number:
Facility location (also attach map):	
Facility type, and list of activities to be conducted:	
<p>The applicant is in the process of completing an application for an air pollution control permit from the Virginia Department of Environmental Quality. In accordance with § 10.1-1321.1, Title 10.1, Code of Virginia (1950), as amended, before such a permit application can be considered complete, the applicant must obtain a certification from the governing body of the county, city or town in which the facility is to be located that the location and operation of the facility are consistent with all applicable ordinances adopted pursuant to Chapter 22 (§§ 15.2-2200 <u>et seq.</u>) of Title 15.2. The undersigned requests that an authorized representative of the local governing body sign the certification below.</p>	
Applicant's signature:	Date:
<p>The undersigned local government representative certifies to the consistency of the proposed location and operation of the facility described above with all applicable local ordinances adopted pursuant to Chapter 22 (§§15.2-2200 <u>et seq.</u>) of Title 15.2. of the Code of Virginia (1950) as amended, as follows:</p> <p>(Check one block)</p> <p><input type="checkbox"/> The proposed facility is fully consistent with all applicable local ordinances.</p> <p><input type="checkbox"/> The proposed facility is inconsistent with applicable local ordinances; see attached information.</p>	
Signature of authorized local government representative:	Date:
Type or print name:	Title:
County, city or town:	

[THE LOCAL GOVERNMENT REPRESENTATIVE SHOULD FORWARD THE SIGNED CERTIFICATION TO THE APPROPRIATE DEQ REGIONAL OFFICE AND SEND A COPY TO THE APPLICANT.]

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY - AIR PERMIT APPLICATION FEE

As of July 1, 2012, air permit applications are subject to a fee. The fee does not apply to administrative amendments or

true minor sources. Applications will be considered incomplete if the proper fee is not paid and will not be processed until full payment is received. Air permit application fees are not refundable.

Send this form and a check (or money order) payable to "Treasurer of Virginia" to:
Department of Environmental Quality
Receipts Control
P.O. Box 1104
Richmond, VA 23218

Send a copy of this form with the permit application to:
The DEQ Regional Office

Please retain a copy for your records. Any questions should be directed to the DEQ regional office to which the application will be submitted.

COMPANY NAME:		FIN:	
COMPANY REPRESENTATIVE:		REG. NO.	
MAILING ADDRESS:			
BUSINESS PHONE:		FAX:	
FACILITY NAME:			
PHYSICAL LOCATION:			

PERMIT ACTIVITY	APPLICATION FEE AMOUNT	CHECK ONE
Sources subject to Title V permitting requirements:		
• Major NSR permit (Articles 7, 8, 9)	\$30,000	
• Major NSR permit amendment (Articles 7, 8, 9)	\$7,000	
• State major permit (Article 6)	\$15,000	
• Title V permit (Articles 1, 3)	\$20,000	
• Title V permit renewal (Articles 1, 3)	\$10,000	
• Title V permit modification (Articles 1, 3)	\$3,500	
• Minor NSR permit (Article 6)	\$1,500	
• Minor NSR amendment (Article 6)	\$750	
• State operating permit (Article 5)	\$7,000	
• State operating permit amendment (Article 5)	\$3,000	
Sources subject to Synthetic Minor permitting requirements:		
• Minor NSR permit (Article 6)	\$500	
• Minor NSR amendment (Article 6)	\$250	
• State operating permit (Article 5)	\$1,500	
• State operating permit amendment (Article 5)	\$800	

DEQ OFFICE TO WHICH PERMIT APPLICATION WILL BE SUBMITTED (check one)

<input type="checkbox"/> SWRO/Abingdon <input type="checkbox"/> NRO/Woodbridge <input type="checkbox"/> PRO/Richmond	FOR DEQ USE ONLY Date: _____ DC #: _____ Reg. No.: _____
<input type="checkbox"/> VRO/Harrisonburg <input type="checkbox"/> BRRO/Lynchburg or Roanoke <input type="checkbox"/> TRO/Virginia Beach	

APPLICATION FEE FORM DEFINITIONS:

Administrative amendment – An administrative change to a permit issued pursuant to Article 1 (9 VAC 5-

80-50 et seq.), Article 3 (9 VAC 5-80-360 et seq.), Article 5 (9 VAC 5-80-800 et seq.), Article 6 (9 VAC 5-80-1100 et seq.), Article 7 (9 VAC 5-80-1400 et seq.), Article 8 (9 VAC 5-80-1605 et seq.), or Article 9 (9 VAC 5-80-2000 et seq.) of 9 VAC 5 Chapter 80. Administrative amendments include, but are not limited to, the following:

- Corrections of typographical or any other error, defect or irregularity which does not substantially affect the permit,
- Identification of a change in the name, address, or phone number of any person identified in the permit, or of a similar minor administrative change at the source,
- Change in ownership or operational control of a source where the board determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the board.

Major new source review permit (Major NSR permit) – A permit issued pursuant to Article 7 (9 VAC 5-80-1400 et seq.), Article 8 (9 VAC 5-80-1605 et seq.), or Article 9 (9 VAC 5-80-2000 et seq.) of 9 VAC 5 Chapter 80. For purposes of fees, the Major NSR permit also includes exemption applications for new sources.

- An Article 7 permit is a preconstruction review permit (case-by-case Maximum Achievable Control Technology (MACT) determination) for the construction or reconstruction of any stationary source or emission unit that has the potential to emit, considering controls, 10 tons per year or more of any individual hazardous air pollutant (HAP) or 25 tons per year or more of any combination of HAPs and EPA has not promulgated a MACT standard or delisted the source category.
- An Article 8 permit is for a source (1) with the potential to emit over 250 tons per year of a single criteria pollutant OR (2) is in one of the listed source categories under [9 VAC 5-80-1615](#) and has the potential to emit over 100 tons per year of any criteria pollutant OR (3) with the potential to emit over 100,000 tons per year of CO₂ equivalent (CO₂e) (9 VAC 5-85 Part III). PSD permits are issued in areas that are in attainment of the National Ambient Air Quality Standards.
- An Article 9 permit is a preconstruction review permit for areas that are in nonattainment with a National Ambient Air Quality Standard (NAAQS). Nonattainment permits are required by any major new source that is being constructed in a nonattainment area and is major for the pollutant for which the area is in nonattainment. Nonattainment permitting requirements may also be triggered if an existing minor source makes a modification that results in the facility being major for the pollutant for which the area is in nonattainment. A major source is any source with potential to emit over 250 tons per year of a single criteria pollutant or is in one of the listed source categories under [9 VAC 5-80-2010](#) and the potential to emit over 100 tons per year of any criteria pollutant. However, if any area is in nonattainment for a specific pollutant, the major source threshold may be lower for that pollutant. For example, sources locating in the Northern Virginia Ozone Nonattainment Area which are part of the [Ozone Transport Region](#) would be a major source if they have the potential to emit more than 100 tons per year of NO_x and/or 50 tons per year of VOC regardless of source category. Nonattainment permits do not require an air quality analysis but require a source to control to the Lowest Achievable Emission Rate (LAER) and to obtain offsets.

Major NSR permit amendment – A change to a permit issued pursuant to Article 7 (9 VAC 5-80-1400 et seq.), Article 8 (9 VAC 5-80-1605 et seq.), or Article 9 (9 VAC 5-80-2000 et seq.) of 9 VAC 5 Chapter 80. Only minor amendments and significant amendments are included in this category. For purposes of fees, the Major NSR amendment also includes exemption applications for existing sources.

Minor new source review permit (Minor NSR permit) – A permit to construct and operate issued under Article 6 (9 VAC 5-80-1100 et seq.) of 9 VAC 5 Chapter 80. Minor NSR permits are 1) categorically required; or 2) issued to sources whose uncontrolled emission rate for a regulated criteria pollutant is above exemption thresholds and permitting allowables are below Title V thresholds, and/or 3) issued to sources whose potential to emit for a toxic pollutant is above state toxic exemption thresholds and

permitting allowables are below Title V thresholds. The minor NSR permit can be used to establish synthetic minor limits for avoidance of state major, PSD and/or Title V permits. For purposes of fees, the Minor NSR permit also includes exemption applications for new sources.

Minor NSR amendment - A change to a permit issued pursuant to Article 6 (9 VAC 5-80-1100 et seq.) of 9 VAC 5 Chapter 80. Only minor amendments and significant amendments are included in this category. For purposes of fees, the Minor NSR amendment also includes exemption applications for existing sources.

Sources subject to Synthetic Minor permitting requirements - Stationary sources whose potential to emit exceeds the Title V threshold (100 tons per year of a criteria pollutant, 10/25 tpy of HAPs, and/or 100,000 tpy CO₂e) but have taken federally enforceable limits, either through a state operating permit or a minor NSR permit, to avoid Title V permit applicability.

Sources subject to Title V permitting requirements – Stationary sources that have a potential to emit above the Title V thresholds or are otherwise applicable to the Title V permitting program.

State major permit – A permit to construct and operate issued under Article 6 (9 VAC 5-80-1100 et seq.) of 9 VAC 5 Chapter 80. State major permits are for facilities that have an allowable emission rate of more than 100 tons per year, but less than 250 tons per year, of any criteria pollutant and are not listed in the 28 categories under “major stationary source” as defined in [9 VAC 5-80-1615](#).

State operating permit (SOP) – A permit issued under Article 5 (9 VAC 5-80-800 et seq.) of 9 VAC 5 Chapter 80. SOPs are most often used by stationary sources to establish federally enforceable limits on potential to emit to avoid major New Source Review permitting (PSD and Nonattainment permits), Title V permitting, and/or major source MACT applicability. SOPs can also be used to combine multiple permits from a stationary source into one permit or to implement emissions trading requirements. The State Air Pollution Control Board, at its discretion, may also issue SOPs to cap the emissions of a stationary source or emissions unit causing or contributing to a violation of any air quality standard or to establish a source-specific emission standard or other requirement necessary to implement the federal Clean Air Act or the Virginia Air Pollution Control Law.

SOP permit amendment - A change to a permit issued pursuant to Article 5 (9 VAC 5-80-800 et seq.) of 9 VAC 5 Chapter 80. Only minor amendments and significant amendments are included in this category.

Title V permit – A federal operating permit issued pursuant to Article 1 (9 VAC 5-80-50 et seq.) or Article 3 (9 VAC 5-80-360 et seq.) of 9 VAC 5 Chapter 80. Facilities which (1) have the potential to emit of air pollutants above the major source thresholds, listed in [9 VAC 5-80-60](#) OR (2) are area sources of hazardous air pollutants, not explicitly exempted by EPA OR (3) have the potential to emit over 100,000 tons per year of CO₂ equivalent (CO₂e) (9 VAC 5-85 Part III), are required to obtain a Title V permit. For purposes of fees, the Title V permit also includes Acid Rain (Article 3) permit applications.

Title V permit modification - A change to a permit issued pursuant to Article 1 (9 VAC 5-80-50 et seq.) or Article 3 (9 VAC 5-80-360 et seq.) of 9 VAC 5 Chapter 80. Only minor modifications and significant modifications are included in this category.

Title V permit renewal – A renewal of a Title V permit pursuant to Article 1 (9 VAC 5-80-50 et seq.) of 9 VAC 5 Chapter 80. Title V permits are renewed every 5 years and a renewal application must be submitted to the regional office no sooner than 18 months and no later than 6 months prior to expiration of the Title V permit. For purposes of fees, the Title V permit renewal also includes Acid Rain (Article 3) permit renewal applications.

True minor source – A stationary source whose uncontrolled and potential to emit emissions are less than any major source threshold. These emissions are not constrained by an enforceable limit to keep it below the thresholds that trigger classification as a major stationary source pursuant to the Clean Air Act but are inherently constrained to less than major source thresholds.

**Commonwealth of Virginia
Department of Environmental Quality**



AIR PERMIT APPLICATION
CHECK ALL PAGES ATTACHED AND LIST ALL ATTACHED DOCUMENTS

- ☐ Local Government Certification Form, Page 2
- ☐ Application Fee Form, Page 3
- ☐ Document Certification Form, Page 6
- ☐ General Information, Pages 7-8
- ☐ Asphalt Plant, Pages 9-11

ATTACHED DOCUMENTS:

- ☐ Map of Site Location
 - ☐ Facility Site Plan
 - ☐ Process Flow Diagram/Schematic
 - ☐ MSDS or CPDS Sheets
 - ☐ Estimated Emission Calculations
 - ☐ Stack Tests
 - ☐ Air Modeling Data
 - ☐ Confidential Information (see Instructions)
 - ☐ BACT Analysis
- _____
- _____
- _____

Check added form sheets above; also indicate the number of copies of each form in blank provided.

DOCUMENT CERTIFICATION FORM

I certify under penalty of law that this document and all attachments [as noted above] were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that I understand that the existence of a permit under [Article 6 of the Regulations] does not shield the source from potential enforcement of any regulation of the board governing the major NSR program and does not relieve the source of the responsibility to comply with any applicable provision of the major NSR regulations.

SIGNATURE: _____	DATE: _____
NAME: _____	REGISTRATION NO: _____
TITLE: _____	COMPANY: _____
PHONE: _____	ADDRESS: _____
EMAIL: _____	_____

References: Virginia Regulations for the Control and Abatement of Air Pollution (Regulations), 9 VAC 5-20-230B and 9 VAC 5-80-1140E.

GENERAL INFORMATION

Person Completing Form:	Date:	Registration Number:
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Company and Division Name:		FIN:
Mailing Address:		
Exact Source Location – Include Name of City (County) and Full Street Address or Directions:		
Telephone Number:	No. of Employees:	Property Area at Site:
Person to Contact on Air Pollution Matters – Name and Title:		Phone Number:
		Fax:
		Email:
Latitude and Longitude Coordinates OR UTM Coordinates of Facility:		

Reason(s) for Submission (Check all that apply):

☐ State Operating Permit

This permit is applied for pursuant to provisions of the Virginia Administrative Code, 9 VAC 5 Chapter 80, Article 5 (SOP)

☐ New Source

This permit is applied for pursuant to the following provisions of the Virginia Administrative Code:

☐ Modification of a Source

☐ 9 VAC 5 Chapter 80, Article 6 (Minor Sources)

☐ Relocation of a Source

☐ 9 VAC 5 Chapter 80, Article 8 (PSD Major Sources)

☐ 9 VAC 5 Chapter 80, Article 9 (Non-Attainment Major Sources)

☐ Amendment to a Permit Dated: _____ Permit Type: ☐ SOP (Art. 5) ☐ NSR (Art. 6, 8, 9)

Amendment Type:

- ☐ Administrative Amendment
☐ Minor Amendment
☐ Significant Amendment

This amendment is requested pursuant to the provisions of:

- | | |
|---|---|
| <input type="checkbox"/> 9 VAC 5-80-970 (Art. 5 Adm.) | <input type="checkbox"/> 9 VAC 5-80-1935 (Art. 8 Adm.) |
| <input type="checkbox"/> 9 VAC 5-80-980 (Art. 5 Minor) | <input type="checkbox"/> 9 VAC 5-80-1945 (Art. 8 Minor) |
| <input type="checkbox"/> 9 VAC 5-80-990 (Art. 5 Sig.) | <input type="checkbox"/> 9 VAC 5-80-1955 (Art. 8 Sig.) |
| <input type="checkbox"/> 9 VAC 5-80-1270 (Art. 6 Adm.) | <input type="checkbox"/> 9 VAC 5-80-2210 (Art. 9 Adm.) |
| <input type="checkbox"/> 9 VAC 5-80-1280 (Art. 6 Minor) | <input type="checkbox"/> 9 VAC 5-80-2220 (Art. 9 Minor) |
| <input type="checkbox"/> 9 VAC 5-80-1290 (Art. 6 Sig.) | <input type="checkbox"/> 9 VAC 5-80-2230 (Art. 9 Sig.) |

☐ Other (specify): _____

Explanation of Permit Request (attach documents if needed):

GENERAL INFORMATION (CONTINUED)

ASPHALT PLANT

Note: If your plant consists of more than a hot mix asphalt plant, you should use the DEQ - Air Division general Form 7 rather than this application form.

1. Company Name: _____ 2. Registration No.: _____

3. Aggregate Dryer/Mixer Manufacturer: _____

4. Model number: _____ 5. Date of Manufacture: _____ 6. Date of Construction: _____

7. Maximum Rated Capacity of Plant: _____ tons per hour of hot mix asphalt produced

8. Type of Plant: ☐ Batch Mix ☐ Parallel Flow Drum Mix ☐ Counterflow Drum Mix
☐ Double Barrel Drum Mix ☐ Triple Drum Mix

9. *Requested Maximum Annual Production Rate: (*Note: This value will be used to establish permit limits.)
_____ tons of hot mix asphalt per year

10. Control Equipment: (use additional pages if necessary.)

☐ Add-on Control Equipment:
Stack No. : _____ Control Type: ☐ Baghouse ☐ Scrubber Control Efficiency: _____ %
Emission Points Controlled: _____

Stack No. : _____ Control Type: ☐ Baghouse ☐ Scrubber Control Efficiency: _____ %
Emission Points Controlled: _____

Stack No. : _____ Control Type: ☐ Baghouse ☐ Scrubber Control Efficiency: _____ %
Emission Points Controlled: _____

☐ Other Controls (Stack No., Type and Control Efficiency): _____
Emission Points Controlled: _____

11. Is there an Aggregate Dryer on site? ☐ Yes ☐ No _____ (MMBtu/hr max heat input capacity)

Fuels: (Check and fill in the fuel type, throughput, and content information, as applicable) Stack No. : _____

☐ Natural Gas *Requested Annual Throughput: _____ million cubic feet per year

☐ No. 1 or No.2 Distillate Fuel Oil *Requested Annual Throughput: _____ thousand gallons per year

☐ Other: _____ Heat Content: _____ MMBtu per _____ (units)

*Requested Annual Amount of Fuel Used: _____ (units): _____ @ _____ % *Sulfur
(*Note: This value will be used to establish permit limits.)

12. Liquid Asphalt Storage Tank Heater on site? ☐ Yes ☐ No _____ (MMBtu/hr max heat input capacity)

Fuels: (Check and fill in the fuel type, throughput, and content information, as applicable) Stack No. : _____

☐ Natural Gas *Requested Annual Throughput: _____ million cubic feet per year

☐ No. 1 or No.2 Distillate Fuel Oil *Requested Annual Throughput: _____ thousand gallons per year

☐ Other: _____ Heat Content: _____ MMBtu per _____ (units)

*Requested Annual Amount of Fuel Used: _____ (units): _____ @ _____ % *Sulfur
(*Note: This value will be used to establish permit limits.)

ASPHALT PLANT (Continued)

13. Will a generator be used to provide power for plant operations? ☐ Yes ☐ No

If yes, the rated capacity is: _____ BHP _____ KW _____ (MMBtu/hr max heat input capacity)

If yes, how is it used: ☐ Regularly ☐ Peak Shaving ☐ Emergency use only (loss of utility power)

Fuels: (Check and fill in the fuel type, throughput, and content information, as applicable) Stack No. : _____

☐ Natural Gas *Requested Annual Throughput: _____ million cubic feet per year

☐ No. 1 or No.2 Distillate Fuel Oil *Requested Annual Throughput: _____ thousand gallons per year

☐ Other: _____ Heat Content: _____ MMBtu per _____ (units)

*Requested Annual Amount of Fuel Used: _____ (units): _____ @ _____ % Sulfur

(*Note: These values will be used to establish permit limits.)

14. Will the plant have hot mix asphalt storage silos on site? ☐ Yes ☐ No If yes, fill out table below:

Silo No.	Stack No.	Volume capacity of hot mix silo	Requested annual throughput of hot mix silo
_____	_____	_____ tons	_____ *tons per year
_____	_____	_____ tons	_____ *tons per year
_____	_____	_____ tons	_____ *tons per year

(*Note: These values will be used to establish permit limits.)

15. Are there heaters in the hot mix storage silos? ☐ Yes ☐ No _____ (MMBtu/hr Total heat input capacity)

Fuels: (If yes, list fuel types, total fuel throughput, and fuel heat content.) List Stack Nos. _____

☐ Natural Gas Heat Content: _____ MMBtu per million cubic feet

*Total Requested Annual Throughput of Natural Gas: _____ million cubic feet per year

☐ No. 1 or No. 2 Fuel Oil Heat Content: _____ MMBtu per thousand gallons

*Total Requested Annual Throughput of Fuel Oil: _____ thousand gallons per year

☐ Other: _____ Heat Content: _____ MMBtu per _____ (units i.e. gal, cuft)

*Total Requested Annual Amount of Fuel Used: _____ (units) per year @ _____ % S

(*Note: These values will be used to establish permit limits.)

16. Will the plant have a lime silo on site? ☐ Yes ☐ No Stack No : _____

If yes, what is the volume capacity of the silo? _____ tons of lime

If yes, what is the requested annual throughput of lime?* _____ tons of lime per year

(*Note: This value will be used to establish permit limits.)

17. Any other material storage silos on site other than those listed above? ☐ Yes ☐ No Stack No : _____

If yes, specify material: _____ (Attach MSDS)

If yes, what is the requested annual throughput?* _____ tons per year

If yes, what is the volume capacity of the silo? _____ tons

(*Note: This value will be used to establish permit limits.)

18. Will the plant have a recycled asphalt pavement (RAP) crusher on site? ☐ Yes ☐ No Stack No : _____

If yes, what is the capacity of the crusher? _____ tons of RAP per hour

If yes, what is the requested annual throughput of RAP?* _____ tons of RAP per year

If yes, please attach crusher information, including the date(s) of manufacture and construction.

ASPHALT PLANT (Continued)

(*Note: This value will be used to establish permit limits.)

19. Are there fuel or volatile organic liquid storage tanks over 10,000 gallons capacity on site? ☐ Yes ☐ No

Tank No. _____ ☐ Above ground ☐ Below ground Contents: _____ (attach MSDS)

Tank Capacity (volume): _____ thousand gallons *Annual Throughput: _____ thousand gallons per year

Tank No. _____ ☐ Above ground ☐ Below ground Contents: _____ (attach MSDS)

Tank Capacity (volume): _____ thousand gallons *Annual Throughput: _____ thousand gallons per year

Tank No. _____ ☐ Above ground ☐ Below ground Contents: _____ (attach MSDS)

Tank Capacity (volume): _____ thousand gallons *Annual Throughput: _____ thousand gallons per year

(*Note: These values will be used to establish permit limits.)

20. Normal Equipment Operating Schedule:

_____ Hours per Day

_____ Hours per week

_____ Hours per Year

21. Percent Annual Production Rate by Season:

December through February _____ %

March through May _____ %

June through August _____ %

September through November _____ %

Total 100 %

22. Stack/Exhaust Data:

Stack No.	Process	Stack Height (ft)	Exhaust Stack Diameter (ft)	Exit Gas Velocity (ft/sec)	Exit Gas Flow Rate (acfm)	Exit Gas Temp. (°F)